Please read this entire manual before installation and use of this Multi-Fuel burning room heater. Failure to follow these instructions could result in property damage, bodily injury or even death."

Contact local building or fire officials about restrictions and installation inspection requirements in your area.

Save these Instructions
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GENERAL INFORMATION SAFETY PRECAUTIONS

SAFETY NOTICE: The AUBURN must be properly installed in order to prevent the possibility of a house fire! These installation instructions must be strictly observed! The Maintenance schedule must be followed as described in this manual. Failure to follow instructions may result in property damage, bodily injury or even death.

The Auburn’s exhaust system works with negative combustion chamber pressure and a slightly positive chimney pressure. Therefore, it is imperative that the air intake and exhaust system be airtight and installed correctly. Do not install a flue damper in the exhaust vent of this unit.

Do not connect this unit to a chimney flue serving another appliance.

BUILDING PERMIT

Contact the local building officials to obtain a permit and information on any local installation restrictions and inspection requirements.

DEFINITION OF “STOVE”

The word “Stove” as used in this manual to describe the Auburn is interpreted to mean a Multi-Fuel Stove approved for Corn, Wheat, Rye, Cherry Pits and Distiller’s Grain. This stove is not intended as the sole source of heat.

The Auburn is a “Non-Affected Facility” and was not tested to comply with U.S. ENVIRONMENTAL PROTECTION AGENCY 2020 particulate emission standards using pellet fuel.

The Prescott EXP & Prescott EXL have been certified to the 2020 Phase of ASTM E2779-2010. Heat Output: 8033 BTU/hr – 29861 BTU/hr, Efficiency: 70.1% using the higher Heat Value of the Fuel. Emission Rate .538 gr/h

SAFETY TESTING

The Auburn, Prescott EXP & Prescott EXL have been independently tested and listed by Warnock Hersey Laboratories in accordance with the proposed ASTM E1509-12 Standards and the applicable portions of UL 1482 and ULC S627/B366.2, and Oregon Administrative Rules 814-23-901 through 814-23-909, stating requirements for installation the Greenfield and for mobile home installations. The safety-listing label is located on the top of the hopper. Please refer to label for pertinent information.

DISCLAIMER OF WARRANTY

Since Johnson Gas Appliance Company has no control over the installation of the Auburn, Johnson Gas Appliance Company grants no warranty, implied or stated, for the installation of the Auburn and assumes no responsibility for any special, incidental or consequential damages.

MANUFACTURED FOR:

Johnson Gas Appliance Company
520 E Ave. NW, Cedar Rapids, IA 52405
Phone: 1-402-728-5255

Auburn Installation and Operations Manual
Page 4
- FOR USE IN THE U.S. AND CANADA

- MOBILE HOME APPROVED

- CHECK WITH LOCAL AUTHORITIES AND OBTAIN NEEDED PERMITS. OBTAIN FINAL INSPECTION FROM LOCAL BUILDING OFFICIALS.

- WE RECOMMEND INSTALLATION BY A QUALIFIED PROFESSIONAL OR DEALER.

- ADHERE TO ALL CLEARANCES SPECIFIED BY THE MANUFACTURER OF THE VENTING SYSTEM USED.

- ADHERE TO ALL CLEARANCES SPECIFIED IN THE INSTALLATION INSTRUCTIONS OF THIS STOVE.

- THIS STOVE USES A POSITIVE PRESSURE VENTING SYSTEM. DO NOT INSTALL A FLUE DAMPER IN THE EXHAUST SYSTEM OF UNIT.

- DO NOT CONNECT THIS STOVE TO A CHIMNEY SYSTEM THAT IS CONNECTED TO ANOTHER APPLIANCE.

- DO NOT INSTALL THIS UNIT IN A SLEEPING ROOM.

- INSTALL A SMOKE DETECTOR IN PROXIMITY OF THE STOVE.

- INSTALL A CARBON MONOXIDE DETECTOR IN PROXIMITY OF THE STOVE

ATTENTION

- CONDENSATION: When planning the installation of your Stove, keep in mind that condensation is detrimental to exhaust systems. Install the Stove with a minimum of the vent system exposed to the cold temperatures outside the envelope of the house.

- BATTERY BACKUP: St Croix does not offer battery backups. They are available online if you decide to use one. Battery backup systems are useful if the Stove is installed using horizontal venting only. This prevents any smoke from entering your home in the event of a power failure.

- OPTIONAL EXHAUST FAN RELAY KIT: With optional relay kit 80P54232 installed in the stove and connected to an inexpensive UPS battery backup (not part of the kit) you will have maximum protection against smoke leaking out of the stove in the event of a power failure. This is considered the best installation when venting horizontally. Contact your dealer for more information.

1. All joints of PL vent and single wall stainless steel pipe should be fastened by at least 3 screws and correctly installed. (Follow vent manufacturer’s instructions). Seal all joints with high temperature silicone to create an airtight seal.
2. A certain amount of carbon monoxide may be produced within the Stove as a by-product of combustion. All exhaust vent connections must be sealed with RTV silicone to assure a gas tight seal. Any leaks into a confined area caused by faulty installation or improper operation of the Stove could produce dizziness, nausea and in extreme cases, death. The Auburn is a “Non-Affected Facility”, therefore the CO emissions were not calculated.

3. WARNING: The high temperature paint on this Stove may take several hours of burning at a high fuel setting to cure fully. During this time, an odor that is not harmful may be evident. When odors are present, the area around the Stove should be well ventilated.

4. Caution: The high temperature paint can be easily scratched prior to burning the Stove.

5. Have your dealer demonstrate all the operational and maintenance steps necessary for proper use of the Stove. Sign and return the warranty card to the address listed on the back page.

6. Some odors may be given off during the first few hours of burning during initial break-in. These odors are normal and not harmful. However, ventilating the room until the odors disappear is recommended.

7. The Stove will become HOT while in operation. Keep clothing and furniture away from all hot surfaces.

8. To avoid the possibility of smoke and/or sparks entering the room always keep firebox and ash pan doors closed whenever the Stove is operating. Smoke detectors, installed in the same general area as the Stove, may be activated if the Stove door is left open and smoke is allowed to enter the area.

9. Under certain circumstances an outside source of combustion air may be needed and is required on all mobile home installations. Use only approved parts. When using outside air for combustion, check that the outside air inlet is connected to draw fresh air from outside the building. If room air is used to supply combustion air, room air starvation (not enough make-up air), operation of exhaust fans and icing of air vents can adversely affect proper Stove operation.

This Multi-Fuel heater has a manufacturer-set minimum low burn rate that must not be altered. It is against federal regulations to alter this setting or otherwise operate this Multi-Fuel heater in a manner inconsistent with operating instructions in this manual.

CAUTION: FAILURE TO FOLLOW THE INSTRUCTIONS IN THE INSTALLATIONS MANUAL MAY RESULT IN A HOUSE FIRE, PROPERTY DAMAGE, BODILY INJURY, OR EVEN DEATH. PLEASE FOLLOW INSTALLATION AND MAINTENANCE INSTRUCTIONS.

CAUTION: NEVER ADD FIRE STARTER TO A HOT STOVE.

CAUTION - Hot Surfaces
- Keep Children away.
- Do not touch during Operation.
This Manual covers the AUBURN, which uses the Multi-Fuel Burn System

*This burn system does not have Self-Ignition.* It is approved for Corn, Wheat, Rye, Cherry Pits and Distillers Grain. Wood pellets are no longer approved for use (except as starter pellets) in Auborns built after the 2015 NSPS.
The Multi-Fuel Burn System is the St. Croix Patented “Clinker Removal System”. This burn pot allows the clinker to be removed without losing the fire in the pot. This eliminates the need to re-light the Auburn after removing the clinker. *This burn system does not have Self-Ignition.*
STOVE DIMENSIONS

A - Width of Stove
B – Height of Stove
C – Center of Air Intake from Base of Stove
D - Center of Stove to Center of Air Intake
E - Center of stove to center of exhaust
F - Center of exhaust from Base of Stove
G – Front of Stove to Back of Stove
H – Front of Stove to end of Exhaust Pipe

Approved Installations

The Auburn is approved for CONVENTIONAL and MOBILE HOME installations as a FREESTANDING stove. The stove may also be installed on the Hearth in front of a Fireplace and vented through the chimney of the fireplace.
VENTING: APPROVED MATERIALS

The Auburn requires a venting system approved for pellet or corn venting by a certified testing lab. Approved pellet or corn venting materials are: 1) PL vent, a double wall vent with a stainless steel liner; and 2) Single wall rigid or flexible stainless steel pipe. PL Vent and Single wall vent is available through manufacturers such as: ICC Pellet Vent, Energy Vent LTD, James A. Ryder, Simpson Dura Vent and Selkirk Metalbestos and is carried by many local dealers. In this manual approved venting will be referred to a “PL vent” or “Single wall vent”. All single wall vent adaptors must be stainless steel.

NOTE: TYPE “B” GAS VENT MUST NOT BE USED IN THE INSTALLATION OF THIS MULTI-FUEL STOVE.

Venting size Guidelines

<table>
<thead>
<tr>
<th>Type of Installation:</th>
<th>Size:</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Less than 10’ horizontal:</td>
<td>3”</td>
</tr>
<tr>
<td>B. 10’ to 12’ horizontal:</td>
<td>3” or 4”</td>
</tr>
<tr>
<td>C. Over 12’ horizontal:</td>
<td>4”</td>
</tr>
</tbody>
</table>

Horizontal installation over 12’ is NOT RECOMMENDED

| D. Less than 15’ vertical: | 3”        | Acceptable |
| E. Over 15’ vertical:     | 4”        | Required   |
| F. Above 4000’ elevation: | 3” or 4”  | Acceptable |

Note: Four (4) inch vent may be used in all installations. If in doubt, use 4” vent.

Examples of venting system components follow:

- High temperature ceramic roping reduces potential fly ash escaping through joints.
- Stainless steel inner liners resist corrosive flue gas damage to the system.
- Flex pipe should be stainless steel, 4 ply construction with a total thickness of approximately .07 inches.
TYPICAL PL VENT COMPONENTS

RAIN CAP
VERTICAL OR HORIZONTAL

WALL THIMBLE

CHIMNEY ADAPTER

SUPPORT BRACKET

ADJUSTABLE LENGTH
PIPE

SINGLE TEE
w/TEE CAP

SINGLE REDUCTION
TEE w/TEE CAP

DOUBLE TEE
w/TEE CAP

PIPE ADAPTER

INCREASER

45° ELBOW

90° ELBOW
VENTING: DETERMINING MATERIALS

TYPE OF MATERIALS:

1. **PL Vent / Corn Vent must be used.**

2. All Joints in the venting installation must be fastened together using three screws. All joints of the venting system must be sealed with High Temp Silicone to make a gas tight fit.

3. **Exception: Single wall stainless steel may be used inside an existing chimney.** (No clearances to combustibles are needed on single wall stainless steel adaptors, rigid or flex pipe installed within a chimney.)

4. A clean-out “tee” (PL Vent or “Quick-Connect Exhaust”) must be installed directly to the Stove and at the bottom of each vertical run of the exhaust system. These tees are to assist in periodically cleaning the pipe. Single or double clean-out tees may be used. **The exhaust system must be installed so the entire system can be cleaned without disassembly.**

   NOTE: ADHERE TO THE PL VENT CLEARANCES TO COMBUSTIBLES AS REQUIRED. STRICTLY OBSERVE THE PL VENT MANUFACTURER’S SAFETY SPECIFICATIONS.

QUANTITY OF MATERIALS:

1. It is recommended that the vent system be installed with a **minimum of three feet (3’) of vertical rise** above the exhaust port on the back of the Auburn.

   FAILURE TO PROVIDE THE NATURAL DRAFT THAT RESULTS FROM A VERTICAL RISE MAY RESULT IN SMOKE BEING RELEASED INTO THE HOUSE WHEN ELECTRICITY TO THE UNIT IS INTERRUPTED WHILE BURNING OR SMOLDERING FUEL REMAINS IN THE BURN GRATE. (See “Battery Backup” on page 9)

2. It is not recommended to run vertical venting outside the heated environment where the Auburn is installed. Running a venting system in a cold environment may cause the flue temperatures to cool down too much for adequate drafting.

   Additional vertical exhaust venting should be provided when using:

   a. More than one (1) elbow or tee; and/or

   b. Horizontal runs of over three (3) feet. *(Horizontal runs over 10 feet not recommended)*

3. For a venting system ending in a horizontal run, the exhaust pipe must be terminated by a listed end cap or a PL vent elbow (45 or 90 degrees). Note: End caps or elbows must vent exhaust gases away from the building.

4. For termination above the building roofline a rain cap is required.

5. The exhaust pipe on all Auburn’s is 3” O.D. to accommodate a pipe adaptor.
VENTING: TERMINATION REQUIREMENTS

In determining optimum vent termination, carefully evaluate external conditions especially when venting directly through a wall. Since you must deal with odors, gases, and fly ash, consider aesthetics, prevailing winds, distances from air inlets and combustibles, location of adjacent structures and any code requirements.

1. Exhaust must terminate above combustion air inlet elevation.
2. Do not terminate vent in any enclosed or semi-enclosed area, (i.e. Carports, garage, attic crawl space, etc.) or any location that can build up a concentration of fumes.
3. Vent surfaces can get hot enough to cause burns if touched by children. Non-combustible shielding or guards may be required.

The type of installation must first be considered before determining the exact location of the venting termination in relationship to doors, window, cavities or air vents.

a. Without Outside Air connected to the unit. For this types of installation please refer to the dimensions listed below in figure 4.

![Figure 4]

4’ (1.2 m) BELOW a door, window, cavity, or air vent

Or

4’ (1.2 m) HORIZONTALLY FROM a door, window, cavity, or air vent

Or

1’ (305 mm) ABOVE a door, window, cavity, or air vent
b. **With** Outside Air Connected to the unit. In this manner the appliance is a Direct Vent Appliance (sealed Combustion System) as listed in NFPA 211-6.

3.3.3.2 *Direct Vent Appliance (Sealed Combustion System Appliance)* A system consisting of an appliance, combustion air and flue gas connections between the appliance and the outside atmosphere, and a vent cap supplied by the manufacturer, and constructed so that all the air for combustion is obtained from the outside atmosphere and all flue gases are discharged to the outside atmosphere.

Special Venting Arrangements are listed in NFPA 211-31

10.7.1.2 The Vent Terminal of a Direct Vent Appliance with an input of 10000 BTU/Hr or less shall be located at least 6” from any opening into a building, and such an appliance with an input of over 10000 BTU/Hr, but not over 50000 BTU/Hr shall not be located less than 9” from any opening through which vent gases could enter a building, and the vent terminal of such appliance with an input over 50000 BTU/Hr shall be located not less than 12” from the opening.

9” (229 mm) ABOVE, BELOW OR HORIZONTALLY FROM a door, window, cavity, or air vent.

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VENTING: TERMINATION CLEARANCE REQUIREMENTS

THE EXHAUST TERMINATION LOCATION MUST BE AT LEAST

1’ (305 mm)   ABOVE the ground level
7’ (2.1 m)    FROM a public walkway
1’ (305 mm)   FROM The wall penetration point

3’ (915mm)     FROM a gas meter/regulator assembly
2’ (610 mm)     FROM any adjacent combustibles such as:
                 Adjacent buildings, fences, protruding parts of the structure, roof eaves or overhangs, plants, shrubs, etc.
VENTING: INTO AN EXISTING CHIMNEY

The stove may be connected to an existing Class A chimney or a masonry chimney which meets the minimum requirements of NFPA 211.

1. If the stove’s exhaust is connected to a masonry chimney, the masonry chimney must be free of cracks that could leak exhaust gases or fly ash. A relining of the chimney with either PL vent or single wall stainless steel pipe may be necessary to bring the chimney into compliance.

2. When chimneys are relined, a chimney chase cap that reduces the outlet of the chimney to the size of the liner is required. Extend the exhaust vent above the chimney chase cap and finish it off with a rain cap. **A single wall liner may need to be insulated to maintain adequate exhaust temperatures in the vent system** *Note: Outside Chimneys frequently are difficult to keep warm, if in doubt insulate the liner.*

3. Venting into the side of an existing masonry chimney must be done through a masonry thimble. When wall penetration is necessary to access a masonry chimney, use a listed PL vent wall thimble. (Figure 7).

4. When venting into a Class A steel chimney, use an appropriate PL Vent adapter. (Figure 8)
Hearth Mount

Legend

A – Vertical Cap  
B – Chimney Flashing  
C – Stainless Steel Liner / PL Vent System  
D – Positive Block Off Plate  
E – PL Tee or Single Wall Tee  
F – Outside Air Shield – May be needed  
G – 2” Metal Outside Air Pipe - Optional

Figure 9  
Venting to the Top of Chimney

When installing as a hearth mount stove into a fireplace, the unit must either be relined terminating above the chimney chase top, or positively connected to the existing chimney system using a block off plate (C). An approved flex liner or PL vent must be used. A chimney system with known drafting problems may require a liner, which may also need to be insulated to keep vent system warm in a cold chimney environment.
FLOOR PROTECTION

The stove must be installed on a Non-Combustible Surface.

Hearth models may be placed directly on the noncombustible hearth of a fireplace.

The Hearth / Non-Combustible pad must extend a minimum of 6” (152 mm) in Front of Unit and beyond each side of the Fuel Loading and Ash Removal Opening(s).

Six inches (152 mm) beyond the front and beyond each side of the fuel and ash removal opening(s)

Figure 10
Floor protection
(Top View)
MINIMUM CLEARANCES (INCHES) TO COMBUSTIBLE MATERIAL

Figure(s): From:
12, 15 Sides of stove 4”
12, 15 Back of stove 4”
11 Corner of stove 4”
7, 8 Vent pipe Per Manufacturer’s Instructions
13 Stove to mantel 12”
10 Floor protection: Front (from faceplate) 6”
10 Floor protection: Sides & back of stove 0”
14 Alcove: Vertical to Combustibles 16”
15 Alcove: Sides 4”
15 Alcove: Back 4”

Figure 11 (Top View) Clearances: corners of stove
Figure 12 (Top View) Clearances Sides and Back
Although 4" is the minimum clearance to the sides of the stove, this is not recommended due to the need for access into the inside of the stove for the maintenance, as spelled out in the Operations Manual. Please read the section covering the Daily Maintenance, Periodic Maintenance and Yearly Maintenance in the Operations Manual.
OUTSIDE COMBUSTION AIR

1. Under certain conditions it is recommended that the Auburn be connected to an outside source of combustion air to improve performance. Flexible metal hose, or rigid metal pipe, (conduit), must be connected around (NOT INSIDE) the combustion air inlet tube. Be careful not to pinch or bend the outside air pipe with too small a radius which may be terminated flush with the outside wall but should be protected from wind and weather by a hood. Note: The outside air pipe must terminate above the maximum snow line.

2. Outside air may be drawn from a semi-enclosed attic or crawl space or any semi-enclosed space. Take care not to draw cold air past water pipes that may freeze.

3. Increase the outside air pipe diameter to 3” for runs over ten (10) feet and elevation over 4,000 feet. Note: Long runs should be avoided.

4. Terminate the outside air pipe below the exhaust vent outlet.

5. An open mesh screen should be placed over the outside air pipe opening to prevent birds or rodents from nesting in the opening. Use an elbow or shield to prevent prevailing winds from blowing directly into the outside air intake pipe. NOTE: Mesh screen should be no smaller than one-fourth inch (1/4”) by one-fourth inch (1/4”).

WARNING: OUTSIDE COMBUSTION AIR IS REQUIRED FOR ALL MOBILE HOME INSTALLATIONS!

WARNING

USE THE AIR INTAKE DAMPER FOR ADJUSTING COMBUSTION INLET AIR ONLY! OTHER METHODS OFRESTRICTING OR BLOCKING COMBUSTION INLET AIR ARE STRICTLY PROHIBITED!

Figure 16

Auburn Installation and Operations Stove
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Mobile Home Installation
Unit must be installed in accordance with the:
Manufactured Home and Safety Standard (HUD), CFR 3280, Part 24

Unit may be installed in a Mobile Home, after the initial sale of the Mobile Home. Not for use in Recreational Vehicles.

1. WARNING: DO NOT INSTALL IN A SLEEPING ROOM.

2. WARNING: COMBUSTION AIR MUST COME FROM THE OUTSIDE OF THE MOBILE HOME! FAILURE TO DO SO MAY CREATE NEGATIVE PRESSURE WITHIN THE MOBILE HOME AND COULD DISRUPT PROPER VENTING AND OPERATION OF THE MULTI-FUEL STOVE.

3. CAUTION: THE STRUCTURAL INTEGRITY OF THE FLOORS, WALLS, CEILING AND ROOF MUST BE MAINTAINED.

4. Permanently bolt the stove to the floor, (X).

5. Electrically ground the stove and pedestal to the metal chassis of the home. Use a number eight, (8) gauge or larger copper wire, (Y).

6. Maintain an effective vapor barrier at location where PL vent exits the structure.

7. Check any other local building codes or other codes that may apply.

8. Do not use components other than those specified for use with this unit.

9. Floor protection requirements must be followed precisely.

10. PL Vent must be used for exhaust venting. (Single wall vent is not allowed). Follow PL Vent manufacturer’s installation directions and observe all listed clearances to combustibles.
This Multi-Fuel heater needs periodic inspection and repair for proper operation. It is against federal regulations to operate this Multi-Fuel heater in a manner inconsistent with operating instructions in this manual.

The Stove is not warranted against damage caused by using poor quality fuel or other fuels not approved for use in this Stove, incorrect operation, improper maintenance, or incorrect installation.

CAUTION: Operate this unit only with the fuel hopper lid closed. Failure to do so may result in emission of products of combustion from the hopper under certain conditions. Maintain hopper seal in good condition. The auger will be prevented from operating by a hopper lid switch. Close lid immediately after filling hopper with fuel.

This unit requires 120-volt AC power to operate. In the event of a power failure the unit will shut down. DO NOT ATTEMPT TO RUN THE UNIT DURING A POWER FAILURE.

When burning corn, wheat or rye, care should be taken in how the venting system is installed. To burn corn, wheat or rye the moisture content should be 15% or less. This can result in condensation forming in the venting system in certain installations. The chimney system should stay within the warm envelope of the house as much as possible. Only penetrate the exterior of the home where the exhaust system will terminate.

REMEMBER: Condensation from burning Corn, Wheat, Rye or Distillers Grain is detrimental to the venting system. Only buy Venting Systems that are warranted with burning corn.

PREVENTING CHIMNEY FIRES - Chimney fires can be prevented by properly operating the Auburn and by periodic inspection and cleaning of the chimney. When burning these fuels tar and other organic vapors are produced, which combine with expelled moisture to form creosote. The creosote vapors condense in the relatively cool chimney flue associated with a slow burning fire. As a result, creosote residue accumulates on the flue lining. When ignited, this creosote can result in an extremely hot chimney fire.

The chimney and chimney connector should be inspected at least once every two months during the heating season to determine if a creosote build-up has occurred. If a significant layer of creosote has accumulated (3 mm or more) it should be removed to reduce the risk of a chimney fire. Use of an appropriately sized chimney brush or the services of a professional chimney sweep are recommended.

The chimney and chimney connector should be inspected at least once every two months during the heating season to prevent the system from getting plugged with Fly ash. Clean the exhaust system if needed. Use of an appropriately sized chimney brush or the Services of a Professional chimney sweep are recommended.

AUBURN APPROVED FUELS

SHELLED CORN - Shelled corn must be 15% or less moisture content. The keys to satisfactory performance are: proper operation of the stove, diligent maintenance and burning only dry, clean, quality corn. Corn dust must be screened prior to using.
NOTE: Corn with excessive grain dust must be screened, by sifting with 3/16" mesh screening. Large pieces of cob may plug the auger.

Clinkers and Ash are a by-product of burning corn and are not caused by your stove. Stove performance can be quickly and severely reduced if poor quality corn is used. Contact your dealer for more information on where to get high quality corn to burn in your new corn stove.

Store approved fuels in a tight container use other methods to ensure they do not become rain soaked or absorb moisture from damp or wet floors. This will also prevent rodents from becoming a problem. Do not store approved fuels within stove installation clearances or within the space required for clinker removal.

The stove is not warranted against damage caused by poor quality fuel, using fuels that are not approved for the unit, incorrect operation, poor maintenance or incorrect installation.

CHERRY PITS - No Standard exists for Cherry Pits used as Fuel. Inspect fuel before buying. When burning cherry pits or any other fuels mixed with cherry pits, the side shields must be removed. Failure to remove the side shields will prevent fuel from spilling into the Ashpan in the event the pot overloads. See figure 2 on page 8 showing the removal of the side shields. The shields lift up and are removed without needing any tools.

DISTILLER’S GRAIN - No Standard exists for Distillers Grain used as Fuel. Inspect fuel before buying.

When burning Distiller’s Grain or any other fuels mixed with Distiller Grain the side shields must be removed. Failure to remove the side shields will prevent fuel from spilling into the Ashpan in the event the pot overloads. See figure 2 on page 8 showing the removal of the side shields. The shields lift up and are removed without needing any tools.

Distiller’s Grain is a byproduct of producing Ethanol and has higher oil content than corn itself. Due to this the stove may require more frequent cleaning. Soot may rapidly form in the exhaust system if the air is not set properly. Check the exhaust frequently when burning Distiller’s Grain.

WHEAT - No Standard exists for Wheat used as Fuel. Inspect fuel before buying. Wheat is a small grain and burns in a similar manner as corn. It forms a clinker in the burnpot that is tends to stick to the sides of the pot. When dropping the Clinker it may need to be pushed into the Ashpan using a long narrow screwdriver or a similar tool. Wheat is a small lightweight grain, more residue will blow out of the burnpot as it burns. If an excessive amount seems to be blowing out of the pot, adjust the damper by closing it a small amount at a time. (Read the section covering the Combustion Air Damper on page 30 - 32)

RYE - No Standard exists for Rye used as Fuel. Inspect fuel before buying. Rye is a small grain and burns in a similar manner as corn. It forms a clinker in the burnpot that is tends to stick to the sides of the pot. When dropping the Clinker it may need to be pushed into the Ashpan using a long narrow screwdriver or a similar tool. Rye is also a small lightweight grain more residue will blow out of the burnpot as it burns. If an excessive amount seems to be blowing out of the pot, adjust the damper by closing it a small amount at a time. (Read the section covering the Combustion Air Damper on page 30 - 32)
Clinkers and Ash are by-products of combustion and are not caused solely by your Stove. Stove performance can be quickly and severely reduced if poor quality fuel is used. Contact your dealer for more information if you experience problems with one of the fuels listed above.

**Do Not Use Chemicals or Fluids to Start The Fire.**

**Do Not Burn:** Garbage, Gasoline, Naphtha, Engine Oil, Lawn Clippings, Yard Waste, Rubber, Plastic, Waste Petroleum Products, Paints or Paint Thinners, Asphalt Products, Construction or Demolition Debris, Railroad Ties, Pressure Treated Wood, Plywood, Particle Board, Manure or Animal Remains, Paper Products or Cardboard.

Burning the above materials may result in release of toxic fumes or render the heater ineffective and cause smoke.

The prohibition against burning these materials does not prohibit the use of fire starters made from paper, cardboard, saw dust, wax and similar substances for the purpose of starting a fire in an affected Multi-Fuel heater.

**INSTALLATION CHECK** - Proper installation is essential for safety, effective Operation, Warranty Coverage, Insurance requirements and to meet Local Building Codes. Installation Requirements are described in the first section of this manual. Verify the installation is correct before firing up the Stove for the first time.

1. The fans of this Stove may cause a negative pressure area in the room where this Stove is installed.

2. Outside Combustion Air may be needed if:
   - The unit does not vent steadily, smells, experiences smoke rollout, burns poorly, or back-drafts whether or not there is combustion present.
   - Any of the symptoms listed above are alleviated by opening a window slightly on a calm day.
   - The house is sealed with a well-sealed vapor barrier and tight fitting windows and doors and/or has any powered devices, which exhaust house air.
   - There is excessive condensation on the windows during the winter.
   - A ventilation system is installed in the house- Adhere to all Clearances and Restrictions specified in the Installation Instructions of this Stove.

When storing fuel be sure to use sealed containers in a dry environment to prevent the fuel from absorbing moisture and becoming damaged. Do not store bags of **starter** pellets directly on concrete.

- Establish a routine for the storage of fuel, care of the Stove and Firing Techniques.
- Check daily for creosote build-up until experience shows how often cleaning is necessary.
- Be aware that the hotter the fire, the less creosote is deposited, and that weekly cleaning may be necessary in mild weather, even though monthly cleaning may be enough in the coldest
months. Run the Stove on the hottest setting once a day for 30 – 45 minutes to prevent excessive build-up in the Stove.

- Have a clearly understood plan to handle a chimney fire. Contact the local fire department for information if needed.

- Keep the doors closed and all seals in good condition while operating the Stove.

- **INSPECT THE FLUE PIPES, JOINTS AND SEALS REGULARLY TO ENSURE THAT SMOKE AND FLUE GASES ARE NOT DRAWN INTO, AND CIRCULATED BY THE AIR-CIRCULATION SYSTEM.**

- **CLEANING OF THE HEAT EXCHANGER, FLUE PIPE, CHIMNEY AND DRAFT INDUCER IS ESPECIALLY IMPORTANT AT THE END OF THE HEATING SEASON TO MINIMIZE CORROSION DURING THE SUMMER MONTHS CAUSED BY ACCUMULATED ASH.**

- The Stove will not operate during a power failure. Prolonged Power Outages will require the use of a generator to operate the Stove.

## Control Board Features

The Control Board controls all functions of the Auburn by monitoring sensors that are in the system. These sensors serve 2 purposes.

a. **General Operation of the Stove.**

b. **Safety Features,** to shut the unit down in the event the sensors detect a problem in the unit.

The Control Board also has Diagnostic Capabilities to help in diagnosing 3 areas of the Multi-Fuel Stove. These areas are:

1. **High Temperature Limit.**
2. **Proof of Fire Sensor**
3. **Vacuum in the Firebox**

A closer look at the Control Board to the right in figure 18 will explain how the board works. There are essentially 4 buttons on the control board. Two of these buttons, the **Heat Level** and **Trim** Buttons, have a High/Low side to advance these settings up or down. There is a **Slide Switch** that controls the Thermostat Mode and an **LED Light** bar that indicates which of the 5 Heat Settings the Auburn is running on.

*The LED Light bar is also used during the Diagnostic process, see page 34-35 for more details*
1. The Heat Level button will advance the setting up and down between level 1 and 5. It will also be used in the Fine Tuning process of the feed rates if needed.

   a. To adjust the Feed-rates: Hold the Auger Feed Button down and press the Heat Level High/Low button and this will change the ON Time up or down .25 seconds from the factory setting. Watch the LED lights to see the setting is on (it will flash the new setting). This new setting will stay in memory from this point on.

2. The Auger Feed button will allow the user to manually auger fuel into the burn pot on start up when needed. This is particularly helpful in priming the Auger Tube when it is empty (After the hopper has run out of fuel). **Do not tamper with the Auger Feed button to override the automated feed system. This may cause the unit to Overheat.**

   ➢ To adjust the Feed-rates:

   Hold the Auger Feed Button down and press the Heat Level High/Low button and this will change the ON Time up or down .25 seconds from the factory setting. Watch the LED lights to see the setting is on (it will flash the new setting). This new setting will stay in memory from this point on.

3. The On/Off button not only turns the Stove On and Off, it also resets the board if one of the sensors has detected a problem and the board is flashing a Diagnostic code.

4. The Draft Trim button allows for adjusting the Exhaust (Combustion) fan voltages up or down providing for fine-tuning of the combustion air. The LED light bar indicates the level of adjustment and the factory setting is the center LED light. This allows for 2 adjustments up and 2 adjustments down. (See point 9 on page 48)

   ➢ To adjust the Combustion Fan voltages:

   Hold the Auger Feed button down and press the Draft Trim High/Low button and this will change the fan voltage approximately 2.5 volts up or down from the factory setting. Watch the LED lights to see the setting is on (it will flash the new setting). This new setting will stay in memory from this point on.

5. The Thermostat Slide switch allows the Stove to be run in 3 different Modes:

   a. **Manual Mode.** The Control Board controls all functions of the Auburn.

   b. **T-Stat Mode.** The Multi-Fuel Stove is hooked to a Thermostat and when calling for heat the Auburn will advance to the Heat level set at the Control board. Once the Heat demand has been met the Stove will drop to the #1 Heat Level setting and pilot. The Stove never shuts off and provides constant heat.

   c. **SmartStat Mode. Do not use this setting with the Auburn.** This Thermostat mode may only be used with Pellets in a unit with the Versa Grate System & Igniter installed

**Pre-Lighting Instructions**

The Control Board has 4 separate programs-. Two of the programs are for the Auburn (Programs 1 & 2) and two of the programs are for the Prescott EXP and Prescott EXL (Programs 3 & 4). Before lighting the Stove for the first time, ask your dealer about how to change the program or
read the instructions on the following page. The unit is set to the default program, which is program 1. There is no feature to check to see which program is running. You must change it to see what program was running and then cycle back through the programs to revert to program 1.

The Cycle time is the total of the ON Time & OFF Time added together. The ON Times are constant, so this means that the OFF Time is increased or decreased, depending on the program chosen.

**Program 1.** The Cycle Time is 11.5 seconds. This is the default program when the Auburn is first plugged in. This program does not offer self-ignition. This program is for use with **Corn, Wheat and Rye, Cherry Pits & Distillers Grain.**

**Program 2.** The Cycle Time is 13 seconds. This program does not offer self-ignition. This program is for use with **Corn, Wheat and Rye, Cherry Pits & Distillers Grain.**

Program 2 is for adjusting for variations that occur within the approved fuels for this unit. Ask your dealer before using this Program in your unit. Program 2 is for “Tweaking” the unit for different fuel and installation conditions.

**Program 3.** The Cycle Time is 11.5 seconds. THIS PROGRAM IS ONLY TO BE USED WITH THE PRESCOTT EXP AND PRESCOTT EXL MODEL. **(DO NOT USE THIS PROGRAM WITH THE AUBURN).**

**Program 4.** The Cycle Time is 10 seconds. THIS PROGRAM IS ONLY TO BE USED WITH THE PRESCOTT EXP AND PRESCOTT EXL MODEL. **(DO NOT USE THIS PROGRAM WITH THE AUBURN).**

**Changing the program on the Control Board**

To change the program the Stove must be in the OFF position, the unit must be cooled down so the Proof of Fire disc is open and the Thermostat Slide Switch must be in the Manual mode. *(See figure 19)*

**Press & hold** the Auger Feed Button, then press **and immediately release** the Trim **High & Low** Button at the same time. The 5 LED lights that indicate the heat levels will flash. The number of times the lights Flash will indicate which program is running.

**Program 1 – LED lights flash once**

**Program 2 – LED lights flash twice**

**Program 3 – LED lights flash three times**

**Program 4 – LED lights flash four times**

Figure 19
Lighting Your Stove with the Multi-Fuel Burn Pot.

WARNING: - Risk of Fire.
- Do not operate with the Firebox door or Ash Removal doors open
- Do not store Fuel or other Combustible material within marked Installation Clearances.
- Inspect and Clean Flues and Chimneys regularly.

Danger: Risk of Fire or Explosion - Do not burn Garbage, Gasoline, Drain Oil or other Flammable Liquids.

WARNING: Do not bypass the hopper lid switch. The auger can start at any time while the Stove is running. The auger motor is a high torque motor that is capable of doing SERIOUS harm to fingers. Keep fingers and other objects away from the auger.

When lighting your Stove for the first time the auger tube will be empty. Hold the Auger Button in until you hear fuel drop into the burn pot.

1. Make sure there is corn in the hopper.

2. Add one cup of Starter Pellets to the burn pot (using pellets to start the unit is approved). Do not try to start your stove with corn or other small grains, because Grain is difficult to start. Add a generous amount of starter gel to the pellets.

4. Close the door and push the On/Off button on the control board. (See figure 18 on page 26)

5. Set the controls to Heat Level #1

6. Once the Proof of Fire switch locks in and the Power Light quits blinking, adjust the heat level to the desired level.

The Ignition Cycle works as follows:

a. The Combustion Fan comes on at high speed and the control board checks to make sure the Vacuum switch locks in. (See section on Diagnostic features on page 34 and 35)

b. If the Control Board senses the Vacuum switch the Exhaust Fan drops to a lower start up speed and the Room Fan shuts off.

c. After 5 minutes the board starts feeding Fuel on the #1 setting until the board senses Proof of Fire or until the ignition cycle times out after 15 minutes.

d. If the board fails to sense P.O.F. after 15 minutes it will shut down and flashes the #3 alarm.

e. If the board senses P.O.F. the stove has started successfully and the Igniter shuts off. The unit is now in “Normal Operation Mode”.

If the Stove went into “Shutdown” and the #3 LED is flashing repeat the Start-Up process. (See section on Diagnostic Features on page 34 and 35.) CAUTION: NEVER ADD FIRE STARTER TO A HOT STOVE.
Shutting the Unit Off

1. Press the On/Off switch once; the lights will go off and the fire will go out in a few minutes. The board essentially goes into “Safety shutdown”.

2. As long as the temperature within the Auburn remains above 110°F the both Fans will continue to run. When the P.O.F. switch drops out, the room fan shuts of and the Combustion fan will run for another 10 minutes and finally shut down completely.

NEVER unplug the Stove to shut it off. Doing so may cause smoke to enter the room.

Importance of proper Draft

Do not neglect to adjust the Combustion Air Damper during the break in period of your new Stove (See Figure 20). Your Stove is equipped with an air inlet damper. The purpose of this damper is to adjust combustion airflow to match the characteristic of each specific air inlet and chimney configuration. See figure 20 for initial damper settings for your fuel. The damper will most likely only need a small adjustment during the break-in period. Break-in requires the burning 15 bags of fuel or a continuous burn for two weeks.

If you notice a difference in the operation of the Stove, first check to see if there has been a change in the fuel you are burning. If the fuel properties have significantly changed, such as the fuel is very dirty, then making a change to the damper is correct.

However if the Stove needs cleaning, changing the Damper may mask the fact that the stove is getting plugged. It is always a good idea to thoroughly clean your stove before making a significant damper change.

If you experience problems adjusting the Stove during the Break-In Period, contact your dealer. Some chimney systems will fall outside the norm, for example, a chimney with excessive draft or one with a long horizontal run.

Initial damper settings for a stove using a Horizontal Vent system

First note the location of the set screw. This screw is turned in until it stops against the tube. Moving the screw is normally not needed.

Heat level 1: Open the damper 1/8 of an inch.
Heat level 2: Open damper to 3/16 of an inch.
Heat level 3: Open damper to 3/16 of an inch.
Heat level 4: Open damper to 1/4 of an inch.
Heat level 5: Open damper to 5/16 of an inch.

Observe the flame and adjust the damper from these positions if needed based on “Flame Pattern Characteristics listed on the next page. Adjust the damper 1/16 of an inch at a time and wait 5 minutes between adjustments to allow the pot to balance out.
Stoves connected to **Vertical Vent** systems should use reduced damper settings. Close the damper a 1/16” – 1/8” to compensate for the natural draft of the vertical chimney.

**Procedure for adjusting the damper for burning Grains and Cherry Pits** - When burning Corn, wheat, rye & Distiller’s Grain the burn pot should be “**Balanced**”. This means the fuel that is being fed into the burn pot rapidly turns into glowing coals. If you see a lot of unburned fuel in the pot, an adjustment may be needed. In an unbalanced pot, the corn, wheat or rye will quickly stick together and prevent the proper flow of combustion air. The pot will overload and the fire will go out.

**Conditions indicating Inadequate or Excessive Draft**

When burning Corn, Wheat, Rye or Distiller’s grain the effects of inadequate and excessive draft will be the same. The pot will overload (see point 3 below) and the fire will go out. The rule of thumb is to make small adjustment to open the damper if the vent is horizontal and to make small adjustments to close the damper if the vent terminates above the roof.

1. **Balanced** burn pot. This means the fuel rapidly turns into red-hot coals once it is in the pot.

2. **Lag time**. This is the time it takes for the corn to start burning and the burn pot to become balanced. Corn will tend to stick together in a clump in the burn pot if the corn feeds in faster than it’s burning.

3. **Overloaded** burn pot. If the corn forms a clump in the burn pot it chokes off the airflow and the pot will overload and slowly the fire will die out.

Set the damper according to the list “Initial Damper Settings” on the previous page.

a. Once the Stove is burning, leave the control board on the #1 setting for ½ an hour. This will allow the Stove to warm up before any adjustments to the damper are made. After ½ an hour, look in the burn pot to see if the burn pot is balanced. The Stove should be burning fine and an adjustment is most likely not needed. Make note of any damper changes you make at each heat level for future reference.

b. Advance the heat setting to #2 and let the Stove burn at this setting for ½ an hour. Check the burn pot to see if it is balanced. Most likely the Stove will be burning fine at this point.

c. Advance the heat setting to #3 and let the Stove burn at this setting for ½ an hour. Check the burn pot to see if it is balanced. **Remember**: Look at the coals in the pot, not at what the flame looks like. Most likely the damper will not need to be adjusted.

d. Advance the heat setting to #4 and let the Stove burn at this setting for ½ an hour. Check to see if the pot is balanced. This is where a damper adjustment might need to be made. As the heat setting reaches the higher settings the “**Lag time**” can become too long if the air isn’t adjusted correctly. If you notice that the coals are being covered up with unburned fuel, adjust the damper to give it more air by sliding the damper control 1/16” only

If the grain has formed a clump in the pot, use a screwdriver to break up the clump of fuel to allow for proper airflow. Wait 15 minutes to see if the burn pot becomes balanced. Repeat this step as many times as needed until the burn pot becomes balanced.
e. Advance the heat setting to #5 and let the Stove burn at this setting for ½ an hour. Check the burn pot to see if it is balanced. A small damper adjustment might need to be made at this time to make sure the “Lag time” isn’t too long. Remember: only adjust the damper 1/16” at a time and wait 15 minutes to see if the burn pot becomes balanced. Repeat this step as many times as needed until the burn pot becomes balanced.

Additional draft adjustments can be made using the Draft trim feature built into the control board. Read point 4 on page 27 and read the “Frequently Asked Questions” in the back of the manual.

**Flame Pattern Characteristics**

*Correct Flame Pattern* - Bright yellowish-white flame with a brisk movement, having sharp pointed end tips extending up towards the Heat Exchange Tubes while forming a fan-like shape. Small amounts of ash and some live sparks being blown out from the Burn Pot area is considered normal operation.

*Incorrect Flame Pattern* - Dark Orangish-Brown flame with a lazy movement, having black smoky end tips curling up and over the Heat Exchange Tubes while forming a fireball-like shape. Some Ash or Live Sparks not being blown out from the Burn Pot area is considered abnormal operation. Excessive black soot forming on the ceramic glass surface is a sign of very poor combustion (not enough combustion air) and should not be overlooked.

At the other end of the spectrum; an extremely brisk flame which blows large pieces of live coal out from the Burn Pot area and causes stubborn shiny black build-up on the glass (too much combustion air) is also considered undesirable and requires the damper to be closed.

**If you experience problems adjusting the stove during the Break-In Period, contact your dealer.**

**USE OF A THERMOSTAT**

The Auburn offers the optional feature of thermostatically controlling your new stove. By using a thermostat to control the operation of your Stove you can benefit two ways. First of all, after setting the thermostat to your desired heating needs, the stove will operate accordingly to uniformly maintain your desired temperature setting. Secondly, the fuel consumption is being optimized, which ultimately results in lowering your seasonal heating costs.

While the room temperature remains cooler than your desired thermostat setting, the stove will operate at any of the 5 HEAT ADJUST selector positions. Read the Operations manual to determine which Thermostat Mode to use. *Do not use the SmartStat mode with the Auburn. This is only for use in a model with an igniter installed.*

1. Once you have successfully lit your stove, set the thermostat to your desired heating needs.

2. Set the HEAT ADJUST selector to a position that will effectively create a rise in room temperature above your thermostat setting. The recommended heat settings while using a thermostat are any position between 2 through 5.
Thermostat Hook-up

Connect the wires from the thermostat to the external wire terminal on the back of the stove (see figure 21 below).

The external Thermostat wire terminal has been pre-wired to the thermostat wire Terminal on the back of the control board (See figure 22)

Read Frequently Asked Questions section in the Operations Manual to Troubleshoot the Thermostat.

NOTE: Installers must determine a neutral location of where to mount the thermostat for accurate room temperature measurements.
Thermostat Control & Pilot Settings

The Stove may be controlled with a thermostat to help maintain a more constant temperature. The Stove will react a little slower to a thermostat compared to a Gas or Electric Stove. With this in mind the low setting can be adjusted to increase or decrease the amount of fuel used. This will allow the heat output during the pilot stage to be matched to the size of the home. A larger home will require more heat than a small one. Keep in mind that the Stove is constantly producing some heat that helps heat the home while it is in pilot mode. If the home seems too warm, and the Thermostat is never calling for heat, a lower pilot setting may be a better fit for the home. *(Read point 2 on page 27 for adjusting the feed rates on the low setting).*

**Remember:** Choosing a lower Pilot setting may require the Draft Fan Voltage or the Damper to be fine-tuned to match the lower feed rate. Monitor how the Stove is operating after a change is made and adjust the damper or Combustion Fan voltage accordingly.

Diagnostic Features of the Control Board

The #2 LED, #3 LED and #4 LED lights on the LED Light bar will flash to give a diagnostic code to help in diagnosing problems that may occur. *(Read Frequently Asked Questions for more information)*

These conditions fall into 2 categories:

- b. Vacuum related issues.

The Diagnostic Lights flash as follows:

1. The **Proof of Fire** switch. This switch will sense the temperature of the Exhaust rising during start up. If the Exhaust temperature does not reach 110 degrees F, or if, during use, the temperature drops below 110 degrees F, the Stove will go into “Internal Alarm” and the Auger will quit feeding fuel. Once the Stove completes the safety shutdown, the #3 LED will start blinking. *(Read Frequently Asked Questions for more information)*

2. The **High Limit** switch. This sensor will sense if the unit reaches temperatures that are too high for normal operation. If this happens the Auger will quit feeding and the #4 LED light will start blinking. *(Read Frequently Asked Questions for more information)*

3. The **Vacuum** switch. For the Stove to operate correctly the firebox needs to be sealed. During the first 30 seconds after the unit has been turned on, the control board will check to see if the switch senses negative pressure (Vacuum) in the firebox of the Stove. If there is no negative pressure, the Stove will go into “Safety shutdown” and the #2 LED will start blinking. *(Read Frequently Asked Questions for more information)*
During “Normal Operation” a 60 second delay has been incorporated before the unit shuts down when the board senses loss of vacuum. This is to accommodate opening the doors during maintenance. Once the board senses loss of vacuum the ON/OFF light will start blinking for the entire 60 second delay. While the light is blinking the control board will not respond to any of the buttons.

“Internal Alarm” - When the control board becomes unresponsive, the control board is in Internal Alarm. The control board has sensed one of the Safety sensors. This may cause the unit to go out. In some cases, after waiting approximately 45 seconds the Stove will start responding to the control board again. Many times, the cause of this is a change in the vacuum inside the firebox. This may be caused by excessive wind or by opening the Firebox door. The control board will monitor the vacuum switch and resume normal operation if the vacuum returns to normal.

“Power Reset” - If the board becomes unresponsive for a long period of time, you must unplug the Stove, wait 10 seconds and plug the unit back in to reset the board.

Safety Features

1. "High Limit” switch”, an overheat safety switch will shut off the fuel feed if the Stove reaches temperatures above normal operating temperature. This is a “Normally Closed” switch. If the High limit switch trips several times, the problem in the Stove must be diagnosed before the unit is put back into service, (Defective Room Fan, dirty Room Fan, defective High Limit switch or possibly a bad Control Board)

2. Vacuum switch also called the Negative pressure switch. When the Stove is turned on the Exhaust fan will create a negative pressure in the firebox. The control board continually checks to see if Negative Pressure (vacuum) is present during operation of the Stove. If the exhaust venting system becomes clogged or obstructed, the firebox door is left open or the exhaust fan quits working the control board will go into “Safety shutdown”. There is a 60 second delay, to allow for cleaning the glass or other maintenance, before then unit shuts down (See Daily Maintenance).

3. Proof of Fire switch also called the P.O.F. This senses the temperature rise in the exhaust system. The switch is “Normally Open” and closes the circuit at 110 degrees. The Stove will shut down if temperatures above 110 degrees F are not sensed during start up or if the temperature drops below 110 degrees during normal operation.

4. Hopper Lid Switch. The hopper lid switch will shut off the auger motor when the hopper lid is open. Be sure the lid closes completely when refilling the hopper or the unit will shut down. Do not bypass the Hopper Lid switch.

WARNING: The Stove has been Safety Tested by an accredited, independent laboratory. These safety features are designed to protect life and property. Bypassing these features voids all warranties and the safety listing of the Furnace.
AUBURN MAINTENANCE

NOTE: WHEN YOU FIRST OPERATE YOUR AUBURN, CHECK TO DETERMINE THE NEEDED CLEANING FREQUENCY. THE AUBURN REQUIRES A MINIMUM AMOUNT OF DAILY MAINTENANCE. REQUIRED MAINTENANCE DEPENDS LARGELY UPON THE QUALITY OF FUEL BURNED AND THE RATE OF BURN. THE AMOUNT OF DAILY MAINTENANCE WILL INCREASE IF FUEL QUALITY DECREASES AND/OR THE BURNING RATE OF THE FUEL INCREASES.

NOTE: FAILURE TO KEEP YOUR STOVE CLEAN, AS DESCRIBED IN THIS MANUAL, COULD RESULT IN POOR OPERATION, INEFFICIENT FUEL USAGE AND A POSSIBLE SAFETY HAZARD! IT IS THE RESPONSIBILITY OF THE OWNER/USER TO DETERMINE THE NEEDED MAINTENANCE FREQUENCY.

CAUTION: THE DOOR AND FRONT PART OF THE STOVE WILL BE HOT. DO NOT TOUCH ANY PART OF THE UNIT THAT IS HOT!

Clinker/Ash Removal – Auburn with the Multi-Fuel Pot

Once a clinker/ash has formed in the burn pot, it must be removed or the unit will go out. The St. Croix Burn system is designed to remove the clinker/ash without loosing the fire in the burn pot. It is a 3-step system.

1. The Coal Rake. This is a “fork” shaped device that will allow the operator to “shave” the burning coals off the top of the clinker, separating the 2 areas of the burn pot. The burning fuel on top and the clinker on the bottom.

2. The Slide-Out Bottom. This allows the bottom to be pulled out so the clinker can drop out of the bottom of the burn pot.

3. The program on the control board. To drop the clinker you set the board to the #1 setting for a couple of seconds and then return the setting to the desired level. This starts a timed delay in the program allowing the clinker to be removed, the coals to be dropped to the bottom of the pot, and the Burn to become balanced again before the board resumes on the setting of your choice.

Daily Maintenance – Auburn with the Multi-Fuel Pot

Example Schedule for dropping Clinkers and Ash from burn pot: This may be required more than once a day, depending on the burn rate of the unit and the quality of Fuel used. Check your Stove frequently at first to establish a Schedule for cleaning the burnpot. If Clinker/Ash is not removed, the burnpot will overload and fuel will spill into the Ashpan.

1 - Continuous burning of the Stove on the Low burn setting (Pilot) – Drop the Clinker approximately every 30-40 hours. This may vary depending on the quality of Fuel used.

2 - Continuous burning of the Stove at the High burn setting (#5) – Drop the Clinker approximately every 12-18 hours. This may vary depending on the quality of Fuel used.
The Daily Maintenance will mainly focus on 4 areas in the Auburn; removing the clinkers from the ash pan (if needed), dropping the clinker from the burnpot, cleaning the heat exchange tubes and cleaning the glass. A breakdown of this process consists of the following steps:

The Coal Rake & the Slide-Out bottom must be in the correct position for the unit to operate correctly. The Coal Rake must be pulled out or the burn pot will overload.
1. **The Coal Rake.** The first step is to push the coal rake in and separate the coals from the clinker. Once this is done, open the door and add a ¼ cup of pellets on top of the coals. To push in the Coal rake, use the Rod Handle tool that came with the unit. *(See figure 24 and 25).*

![Figure 25](image)

2. **The Ash Pan.** Make sure the Ashpan is not too full to receive a clinker. If the Ashpan is too full, the clinker may not drop all the way through. This will not allow the Slide-Out Bottom to be closed. If this happens, empty the Ashpan and restart the unit.

3. **The Slide-Out Bottom.** *(See figure 26)* Now you are ready to drop the clinker from the burn pot. Pull the bottom out in one quick motion and let the clinker drop into the ash pan. Quickly push the bottom in again. To pull out the slide bottom use the Rod Handle tool that came with the unit.

![Figure 26](image)
4. **The Control Board.** Set the heat setting to #1 for a few seconds and return to the setting it was on. This initiates the time delay for dropping the clinker.

5. Dropping the coals back into the burn pot. At this time pull the coal rake back out of the burn pot to drop the coals in the pot. *See position of Coal Rake & Pot Bottom in figure 24 on page 37 for normal operation.*

The time delay in the program will allow a smooth transition back to where the Stove was burning before the clinker was dropped.

6. Cleaning the Heat Exchange Tubes. Now you can pull the Tube Scraper back and forth a couple of times to keep the tubes clean. If the Tube Scraper feels sticky and difficult to move, check for the presence of creosote on the tubes. If creosote is present a damper adjustment may be needed or the your Stove has become plugged and needs a thorough cleaning. Call Dealer for assistance. To pull the tube scraper back and forth use the Rod Handle tool that comes with your stove.

7. Use a dry paper towel to clean the glass. Quickly open the door and wipe the glass. The rate of burn will determine how often the window needs cleaning. Prolonged burning at a slow burn rate will result in the need for more frequent window cleaning. Periodically shut the Stove down and wipe the window with a cloth or paper towel and glass cleaner. This will normally keep the window from accumulating difficult to clean residue. Use of a glass cleaner ONLY permitted when the unit is cold.

**CAUTION:** Do not slam the door. Do not operate your Stove with a broken or cracked glass. Replace only with heat resistant ceramic glass supplied by the manufacturer.

There are 2 things to keep an eye on during the cleaning process.

1. If the ash pan door or firebox door were left open for more than 60 seconds the Stove will go into safety shutdown. Toggle the On/Off switch off and back on. This will reset the board. You will need to use the auger feed button to manually feed fuel into the pot for a couple of minutes until the program resumes.

2. If the Auburn has been running for an extended period of time on the #5 setting, the clinker will sometimes stick to the burn pot. If that happens, pull the coal rake back out. Open the door and use a long screwdriver and give the clinker a couple nudges in the pot. (Make sure the burnpot bottom is closed when you do this or you will lose the coals with the clinker) Then repeat the steps for dropping the clinker.

**Remember:** The coal rake must be pulled out and the slide bottom pushed in during normal operation of the Auburn.

**Remember:** The fire door and ash pan doors must be in the latched position during normal operation of the Auburn.
Periodic Maintenance

CAUTION: Periodic maintenance should only be done while the Stove is shut off and cold.

1. Ashpan. Empty the ash pan when it appears full (approximately once a week). The frequency of cleaning the ash pan will depend on the quality and amount of fuel being used. Carefully check to make sure the ash pan door is tightly closed after each opening.

2. Burnpot and Slide-Out Bottom. Clean burn grate holes whenever needed. Remove the Burnpot and use a small metal object (Nail, Drill Bit, etc.) to clean out plugged holes. (See Figure 27 below).

To remove the Burnpot from the Stove the Coal Rake must be pulled back so the pot will clear it. Open the Firebox door of your Stove and you will see 2 Hex head screws. Loosen the first screw enough to allow the Coal Rake to slide out of the burn pot. Remove the screw that holds the burn pot in place and lift the pot out of the Stove. To access the Slide-out Bottom, remove the lower panel and slide the bottom out of the Stove.

3. Clean-Out Ports. The Auburn has 2 Exhaust Cleanout Ports located in the LEFT AND RIGHT lower corners of the firebox. Remove covers and clean regularly.

There is an additional Cleanout behind the Ashpan. This cleanout gives access to the transition area behind the back wall all the way back to below the Combustion Fan. If the stove seems plugged, this area needs cleaning.
Frequency of cleaning depends on the amount of fuel being burnt and the quality of the Corn, wheat, rye, Cherry Pits or Distiller’s Grain. **Failure to clean the Ash Traps will cause the Stove to become plugged with Fly Ash.**

4. **Heat Exchange Baffle.** Remove the baffle and clean the ash that accumulates on a regular basis. Once a month or sooner, depending on the quality of fuel being used.

   To remove the baffle (See Figure 28), lift the back of the baffle up to clear the inner back of the stove and slide towards the front of the stove. The baffle will slide out of the keyhole slots and drop down. **When putting the baffle back in the stove, make sure the tabs are in the keyhole slots and the back of the baffle is lifted up over the inner back.**

   Clean the baffle on a regular basis. Frequency of cleaning depends on amount of fuel being burnt and the quality of the fuel. Fuel with low ash content is recommended.

   **Failure to clean the baffle can cause the Stove to become plugged with fly ash.**

5. **Exhaust System.** See Figure 28 and 29 for information on cleaning fly ash that collects in the vent system. Periodic cleaning of the exhaust system is required. Under certain conditions chimneys may plug up rapidly. Dirty/High Moisture content Fuel and poor installations require more frequent chimney cleanings. The products of combustion will also contain small
particles of fly ash. The fly ash will collect in the exhaust vent and restrict the flow of the flue gases.

Judge the frequency of cleaning by checking the amount of ash that accumulates in the elbows or tee’s of the exhaust system. Ask the dealer for suggested frequency of cleaning, equipment needed and procedures for cleaning. Check the Exhaust system at least once every two months during the heating season. See Page 25 “Preventing Chimney Fires”.

6. **Gaskets.** Periodically inspect the condition of the Rope Gasket around the door, window and ash door. Replace as needed.

**Yearly Maintenance**

Many dealers offer a Service Contract that will cover Yearly Maintenance. Contact your St. Croix Dealer for assistance in maintaining your Auburn in top condition. Yearly Maintenance is designed to assure Safe Operation, prolong the life of the Auburn and help preserve its aesthetic appeal.

**NOTE: UNPLUG THE STOVE.** Open the Left and Right side panels of your Auburn to gain access to components in the back of the stove. Carefully clean or vacuum any dust, cobwebs and household dust. Carefully vacuum around the fan motors. If electrical wires become disconnected call your dealer for service.
1. **Spring Shutdown.** After the last burn in spring let the unit cool down. Remove all fuel from the Hopper and the Auger. Thoroughly clean the Burn Pot, Burn Pot box, Ash Pan and Ash Traps behind the ash pan. (To locate the ash traps see figure 28 on page 41)

2. The Exhaust System should be thoroughly cleaned at least annually. Call your dealer for this service. (See figure 29 on page 42)

3. The Motor/Fan area behind the firebox and under the hopper should be vacuumed annually. (See figure 29 on page 42)

4. The exhaust fan should be removed and cleaned with compressed air annually. Call dealer for this service. Annual oiling of the motors is not needed. (See figure 29 on page 42)

5. The Convection fans should be removed and cleaned with compressed air annually. Annual oiling of the motors is not needed. (See figure 29 on page 42)

6. Replace the Door Gaskets if needed.

7. Replace the Ash Pan Door gaskets if needed.

8. Replace the Hopper Lid Gaskets if needed.

**SAFE OPERATION.**

**Fall Startup.** Prior to lighting the first fire check the outside area around the exhaust and air intake systems for obstructions. Try all controls to see that they are working prior to lighting a fire.

1. **Disposal of Ashes.** Ashes should be placed in a metal container with a tight fitting lid. The closed container of ashes should be placed on a non-combustible floor or on the ground, well away from all combustible materials, pending final disposal. If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the container until all cinders have thoroughly cooled.

2. **Never use Gasoline,** gasoline type lantern fluid. Kerosene, charcoal lighter fluid or similar liquids to start or “freshen up” a fire in this heater. Keep all such liquids well away from the heater while it is in use.

3. **Creosote, Soot and Fly Ash:** Formation and Need for Removal. The products of combustion will contain small particles of Fly Ash. The fly ash will collect in the venting system and restrict the flow of flue gases. Incomplete combustion, such as occurs during start-up and shut-down, or incorrect operation of the room heater will lead to some soot or creosote formation which will collect in the venting system. The exhaust system should be inspected regularly during the heating season to determine if creosote buildup has occurred. Check more frequently at first to determine a schedule for cleaning the venting system based on individual use of this Stove. If creosote has accumulated, it should be removed to reduce the risk of a chimney fire.

4. **Do not Overfire this unit by tampering with the controls on the unit.** Follow all instructions regarding the proper use of this heater.
The Electrical Rating of this Stove is: 120 Volt, 60 Hz, 4 Amp with the igniter running and approximately 2 Amp without the igniter running. The minimum recommended circuit is 15 Amp. A dedicated circuit for the Stove is recommended.

CAUTION: The electrical components of the Auburn are not owner serviceable. Call your dealer for proper diagnosis of electrical problems and service to those components.
TROUBLESHOOTING & FREQUENTLY ASKED QUESTIONS

The Auburn is equipped with the Multi-Fuel Burn System.
The Stove is very trouble free in operation when properly maintained and quality fuel is used. When the Stove fails to operate properly, troubleshooting by the operator of the Stove is limited. Please read the following guide for answers to frequently asked questions

1. When first starting the Stove, the auger tube is empty, which will delay feeding fuel to the burn pot. This will in some cases prevent the Stove from starting.

Solution: Prime the burn pot using the Auger Feed button if the auger tube is empty.

2. My Stove keeps overloading the burnpot. First check the moisture content of your fuel. It should be 15% or less. Also make sure you are using clean fuel. Otherwise this is mainly caused by improper combustion. (See Damper Adjustment section of the Operations Manual) Besides the damper adjustment there are several areas that can have an effect on the combustion process.

Solution: Check all Gaskets, Doors and Door Latching Systems for air leaks. Any leaks in these areas will negatively affect the burn process and cause the pot to overload.

3. My Stove isn’t burning and the number 2 LED light is blinking. This diagnostic light indicates the vacuum switch no longer senses negative pressure in the firebox area of the Stove.

What caused the Stove to go out?

   a. The door of the unit was left open longer than 60 seconds. (See solution)
   b. The ash pan door was left open for longer than 60 seconds. (See solution)
   c. The combustion fan is not running. (Defective fan or control board)
   d. The vacuum switch is defective.
   e. The vacuum hose is disconnected
   f. The vent system is plugged with fly-ash

Solution: If the fire is out, re-light the Stove. If the fire is still burning make sure all doors are securely latched and hold down the On/Off button (approximately 5 seconds) until Stove starts up again. This will re-start the Stove in the start-up program.

4. My Stove isn’t burning and the number 3 LED light is blinking. This diagnostic light indicates that the Proof of Fire Switch no longer senses a fire in the Stove. First check to see if there is fuel in the hopper. If there is fuel in the hopper, we need to figure out why the Stove went out.

   a. Unburned fuel in the burnpot means the fire went out before the auger quit feeding.

Auburn Installation and Operations Stove
Page 45
Solution: Too much Combustion Air on the pilot setting. Adjust the air damper or the combustion fan voltage. (See section covering an Unbalanced Burnpot). Fuel would still feed until the P.O.F. switch eventually shuts the Stove down. (See section covering Damper Adjustment)

A power failure could also cause this. If the Stove is still hot when the power comes back on, the feed system will resume. If the fire had gone out in the pot, the feed would continue to run until the Proof of Fire switch dropped out and shut the Stove down.

b. If all the fuel is burned up means the auger quit feeding fuel while there was still a fire in the burnpot. Check to see if there is fuel in the hopper. If the hopper is empty, fill the hopper and re-light the Stove.

If there is fuel in the hopper check to see if there is an obstruction in the auger system or if the auger set screw is loose.

Solution: Remove obstruction and re-light the Stove or tighten the setscrew on the auger shaft.

5. My Stove isn’t burning and the #4 LED light is blinking. This means the high Limit has shut the Stove down. The Convection Blower could be defective or may need cleaning. The high limit switch may be also defective. It is best to call your dealer for support when trying to troubleshoot the High Limit Switch. Do not use your Stove if the High Limit switch frequently trips.

6. I turned the Stove on with the On/Off switch and nothing happens. First check to see if the Stove is plugged in and the receptacle has power to it.

Solution: Check the fuse on the back of the control board. Replace with a 125 Volt, 5 Amp fuse.

7. Why is my glass dirty? Normal operation of your St. Croix Stove will produce a light build-up on the glass that wipes off with a dry paper towel. However extended burning on the low setting only will produce a tan color. These types of build-up on the glass are normal. A heavy black build-up on the glass could indicate a problem.

Solution: Adjust the combustion air damper or combustion fan voltage. If this doesn’t seem to help, make sure the clean out cover plates are installed in the Stove. It also could be an indication that the Stove is getting plugged and needs a good cleaning. Refer to the section in the manual that covers the Daily, Periodic and Yearly Maintenance of the Stove.
8. Are there any adjustments that can be made, through the control board, to the amount of fuel that is fed into the burnpot?

Answer: There are several ways to adjust the amount of fuel that is fed into the burnpot. The Feed Rates can be fine-tuned while the Stove is in operation by pressing and holding the “Auger Feed” button down and then either pressing the “Heat Level High” button to advance the feedrate higher, or pressing the “Heat Level Low” button to decrease the feedrate.

There are 5 levels on the control board and they are indicated by a single flash of the LED’s. The default setting is the center LED. This gives 2 adjustments increasing the Feed Rate (LED’s 4 & 5) and 2 adjustments decreasing the Feed Rates. (LED’s 1 & 2) The ON time is increased or decreased .25 seconds with each adjustment.

9. Are there any adjustments that can be made, through the control board, to the Combustion Fan voltages to help adjust the draft?

Answer: The Draft can be adjusted in a similar fashion as mentioned in the previous example.

The Fan voltages can be fine-tuned while the Stove is in operation by pressing and holding the “Auger Feed” button down and then either pressing the “Trim High” button to advance the voltages higher, or pressing the “Trim Low” button to decrease the fan voltages.

There are 5 levels on the control board and they are indicated by single flash of the LED’s. The default setting is the center LED. This gives 2 adjustments increasing the voltage (LED’s 4 & 5) and 2 adjustments decreasing the voltage. (LED’s 1 & 2) The voltage is increased or decreased 2.5 volts with each adjustment.
10. **Are there Cycle Time adjustments on the Control Board for different types of fuel?**

Answer: There are 4 individual programs on the control board, each with a different Cycle time.

The Control board has been factory set to the default Program for your Model. When reprogramming the control board, you will see LED light flash, as shown in the figure to the right. The LED lights flash in the following manner:

**Program 1 – 11.5 second cycle time.** The LED’s flash once. This program is for use with Corn, Wheat, Rye, Cherry Pits or Distiller Grain. *(When using this program with Wheat or Rye, the ON-Times may need to be decreased. See point 8 on page 47). This program is for use with the Auburn*

**Program 2 – 13.0 second cycle time.** The LED’s flash twice. This program is for use with Corn, Wheat, Rye, Cherry Pits or Distiller Grain. *This program is for use with the Auburn*

**Program 3 - 11.5 second cycle time.** The LED’s flash three times. This program is for use with Pellets. This program has Self-Ignition and is used in units that have the Versa Grate System & Igniter installed. *This program is not for use with the Auburn*

**Program 4 – 10.0 second cycle time.** The LED’s flash four times. This program has Self-Ignition and is used in units that *not for use with the Auburn.*

11. **How do I change to a different Program on the control board?**

*First the Stove must be turned off and cooled down.*

Step 1 - The Thermostat switch must be in the **Manual** position.
Step 2 – Press and hold the **Auger Feed** Button.
Step 3 – Press the **Trim High and Low** Buttons at the same time. Release all 3 buttons immediately.
Step 4 – Observe the LED light flashing according to the Program chosen. Program 1 flashes once, Program 2 flashes twice, Program 3 flashes three times and Program 4 flashes 4 times.

Changing the Cycle Time will change the BTU Input of the Stove. The longer the Cycle time the lower the BTU rating.
# PART NUMBER | DESCRIPTION
--- | ---
1 | 80P52887-R PIPE CONNECTOR ASSEMBLY
2 | 80P52232-R QUICK DISCONNECT GASKET
3 | 80P53667-R EXHAUST ADAPTER WELDMENT
4 | 80P20038-R PROOF OF FIRE SWITCH
5 | 80P20001-R COMBUSTION BLOWER
6 | 51135K282-E SILICONE TUBING – 15”

Auburn Parts

Figure 35
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<th>PART NUMBER</th>
<th>DESCRIPTION</th>
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<td>80P30658-R</td>
<td>VACUUM SWITCH</td>
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<td>8</td>
<td>80P52710-R</td>
<td>VACUUM SWITCH BRACKET</td>
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<td>9</td>
<td>80P30280-R</td>
<td>CLEAN OUT COVER (BEHIND ASHPAN)</td>
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<td>10</td>
<td>80P53890-R</td>
<td>MULTI-FUEL BURN POT</td>
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<td>11</td>
<td>80P53657-R</td>
<td>SLIDE OUT BOTTOM</td>
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<td>12</td>
<td>80P52627-R</td>
<td>POT SLIDER ROD</td>
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<td>COAL RAKE ROD</td>
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<td>80P30049-R</td>
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<td>DECORATIVE GRILL – RIGHT SIDE</td>
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<td>80P53643-R</td>
<td>ASH PAN</td>
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<td>18</td>
<td>80P52629-R</td>
<td>MANUAL RESET HIGH LIMIT SWITCH</td>
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<td>CLEAN OUT COVERS</td>
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<td>STEEL BRICK PANEL – BACK PANEL</td>
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<td>10-24X3/8BSHCS</td>
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<td>HANDLE PULL – HOPPER LID</td>
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<td>80P53681-R</td>
<td>SLIDE-TOP STANDOFF PLATE ASSEMBLY</td>
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<td>80P30575-R</td>
<td>CONTROL BOARD BOX W/ CLINCH STUDS</td>
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<td>39</td>
<td>80P30523B-R</td>
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<td>43</td>
<td>80P52658-R</td>
<td>MOTOR MOUNT BRACKET AND END CAP</td>
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<td>80P20245-R</td>
<td>AUGER GASKET</td>
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<td>AUGER WELDMENT</td>
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<td>08P30191-R</td>
<td>AUGER WASHER</td>
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**NOT SHOWING**

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AUBURN WARRANTY

The Stove manufactured for Johnson Gas Appliance Company is warranted for five (5) years, to the original owner, against defects and workmanship on all steel parts (excluding the burn grate, Baffle and Brick Panels) and two (2) year on electrical components from the date of sale to the original owner. There specifically is no warranty on the paint, glass and all gaskets. There is no written or implied performance warranty on the Stove, as the manufacturer has no control over the installation, daily operations, maintenance or the type of fuel burned.

This warranty will not apply if the Stove has not been installed, operated and maintained in strict accordance with the manufacturer's instructions. Burning other than approved quality fuels may cause Stove damage and could void the warranty.

The warranty does not cover damage or breakage due to misuse, improper handling or modifications.

A warranty registration card is provided. The card is to be checked and signed and returned to factory by the owner. Appropriate information is to be noted on the card.

All claims under this warranty must be made through the dealer where the Stove was purchased. If an inspection by the dealer indicates that a warranty claim is justified, and that all conditions of this warranty have been met, the manufacturer's total responsibilities and liabilities shall be to repair or replace, at the manufacturer's option, the defective part(s). All costs of removal, shipment to and from the dealer or manufacturer, any losses during shipment and reinstallation and any other losses due to the Stove being removed shall be covered by the owner of the Stove.

NEITHER THE MANUFACTURER, NOR THE SUPPLIERS TO THE PURCHASER, ACCEPTS RESPONSIBILITY, LEGAL OR OTHERWISE, FOR THE INCIDENTAL OR CONSEQUENTIAL DAMAGE TO PROPERTY OR PERSONS RESULTING FROM THE USE OF THIS PRODUCT. ANY WARRANTY IMPLIED BY LAW, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS, SHALL BE LIMITED TO ONE (1) YEAR FROM THE DATE OF ORIGINAL PURCHASE. WHEN A CLAIM IS MADE AGAINST THE MANUFACTURER BASED ON THE BREACH OF THIS WARRANTY OR ANY OTHER TYPE OF WARRANTY EXPRESSED OR IMPLIED BY LAW, MANUFACTURER SHALL IN NO EVENT BE LIABLE FOR ANY SPECIAL, INDIRECT, CONSEQUENTIAL OR OTHER DAMAGES OF ANY NATURE WHATSOEVER IN EXCESS OF THE ORIGINAL PURCHASE PRICE OF THIS PRODUCT. ALL WARRANTIES BY MANUFACTURER ARE SET FORTH HEREIN AND NO CLAIM SHALL BE MADE AGAINST MANUFACTURER ON ANY ORAL WARRANTY OR REPRESENTATION.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations of implied warranties; therefore the limitations of exclusions set forth in this warranty may not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from state to state.
Notes:

After the break in period, please note any adjustments that were made to the Feed Trim and Draft Trim on the control board in the area below.

**Feed Trim: Circle one (See point 2 on page 27)**

| LED #1 | LED #2 | LED #3 | LED #4 | LED #5 |

**Draft Trim: Circle one (See point 4 on page 27)**

| LED #1 | LED #2 | LED #3 | LED #4 | LED #5 |

**APPROVED FUEL:** Circle One

CORN    WHEAT    RYE    CHERRY PITS    DISTILLERS GRAIN

**PROGRAM:** Circle one (see Figure 19 on page 28)

1

2

Serial Number:

Date of Purchase:

Dealer Information:

**EMAIL:** support@stcroixstoves.com

**WEB ADDRESS:** www.stcroixstoves.com